

Converting Colors

$Yxy(29.7145, 0.2456, 0.4043)$

Have a look what the booklet for
Yxy(29.7145, 0.2456, 0.4043)
contains.

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Color

Yxy(29.6170, 0.2452, 0.4028)

Conversions

Conversions Part 1

Format	Color
Hex	00A882
RGB	0, 168, 130
RGB Percent	0%, 66%, 51%
CMY	1.0000, 0.3411, 0.4902
CMYK	1.00, 0.00, 0.23, 0.34
HSL	166°, 100%, 33%
HSV	166°, 100%, 66%
XYZ	18.0290, 29.6170, 25.8818
YIQ	113.4360, -87.9300, -47.4340

Conversions

Conversions Part 2

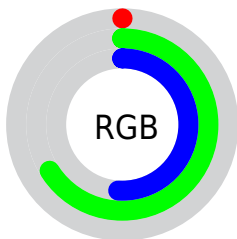
Format	Color
RYB	0, 95, 168
Decimal	43138
CIELab	61.32, -46.00, 9.42
CIElCh	61, 46.955, 168.423
Yxy	29.6170, 0.2452, 0.4028
Android (android.graphics.Color)	4278233218 (0xFF00A882)
YUV	113.4360, 8.1661, -99.4834
Hunter-Lab	54.4215, -36.1033, 9.8979

Details

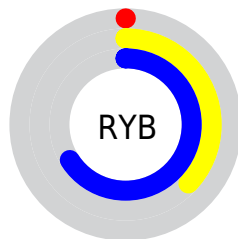
The Yxy color **29.6170, 0.2452, 0.4028** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.4658, 0.5986, 0.3071**, and the grayscale version is **16.6457, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.0055, 0.2594, 0.3864**, and **12.8555, 0.2511, 0.4238** is the 20% darker color. If you saturate the color by 10%, you get **29.6197, 0.2452, 0.4028**, and if you desaturate by 10%, it is **29.8410, 0.2449, 0.3946**.

Distribution



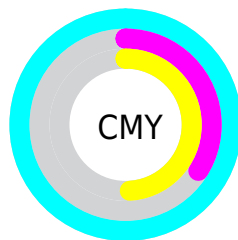
- Red (0%)
- Green (66%)
- Blue (51%)



- Red (0%)
- Yellow (37%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (34%)





- Cyan (100%)
- Magenta (34%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6170, 0.2452, 0.4028 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 29.6170, 0.2452, 0.4028 by changing the saturation by 10% instead.


 29.6170, 0.2452,
0.4028


 29.6170, 0.2452,
0.4028


 300.1151, 0.2820,
0.3616


 19.5481, 0.2349,
0.4148


 59.0560, 0.2594,
0.3866


 12.0670, 0.2210,
0.4313


 79.1948, 0.2645,
0.3810

 6.7893, 0.2012,
0.4556


 103.4590, 0.2687,
0.3763

 3.3307, 0.1710,
0.4943

 132.2330, 0.2722,
0.3724

 1.3067, 0.0329,
0.6279

 165.9012, 0.2752,
0.3691

 0.1464, 0.0000,
1.0000

 204.8481, 0.2778,

 0.0000, 0.0000,

0.3662

0.0000

249.4579, 0.2800,
0.3638

■ 29.6170, 0.2452,
0.4028

■ 29.6170, 0.2452,
0.4028

■ 29.6197, 0.2452,
0.4028

■ 29.8410, 0.2449,
0.3946

■ 30.1648, 0.2460,
0.3864

■ 30.6315, 0.2491,
0.3781

■ 31.2591, 0.2540,
0.3700

■ 32.0631, 0.2607,
0.3621

■ 33.0570, 0.2690,
0.3545

■ 34.2530, 0.2786,
0.3474

■ 35.6622, 0.2893,
0.3407

■ 37.2951, 0.3007,
0.3346

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.6170, 0.3135, 0.4607



29.6170, 0.2452, 0.4028



29.6170, 0.1986, 0.3213

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



29.6170, 0.2452, 0.4028



29.6170, 0.2320, 0.2142



29.6170, 0.4641, 0.3734

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



29.6170, 0.2452, 0.4028



8.4658, 0.5986, 0.3071

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



29.6170, 0.4398, 0.3176



29.6170, 0.2452, 0.4028



29.6170, 0.2966, 0.2310

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



29.6170, 0.2452, 0.4028



29.6170, 0.1929, 0.2212



29.6170, 0.3748, 0.2676



29.6170, 0.4418, 0.4275

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



29.6170, 0.2452, 0.4028



29.6170, 0.1838, 0.2747



29.6170, 0.3748, 0.2676



29.6170, 0.4614, 0.3546

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



29.6197, 0.2452, 0.4028



62.0212, 0.2780, 0.3477



28.4435, 0.3093, 0.5926



13.3192, 0.2740, 0.3506



84.8088, 0.3127, 0.3290



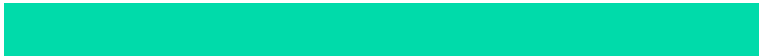
15.4872, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.6197, 0.2452, 0.4028



53.7098, 0.2456, 0.4043



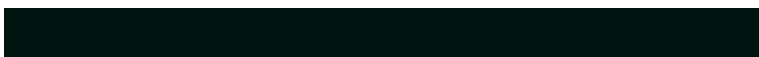
17.0445, 0.2002, 0.2407



8.5026, 0.3016, 0.3342



22.3732, 0.2450, 0.4020



0.5513, 0.2375, 0.3750

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



8.4658, 0.5986, 0.3071



15.3337, 0.6027, 0.3094



10.1874, 0.6028, 0.3595



7.5691, 0.3252, 0.3239



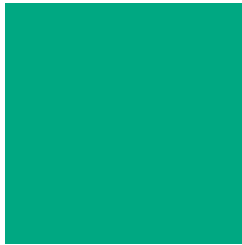
6.3990, 0.5962, 0.3058



0.1631, 0.5094, 0.2580

Previews

White Background



This preview shows how the Yxy color 29.6170, 0.2452, 0.4028 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 29.6170, 0.2452, 0.4028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

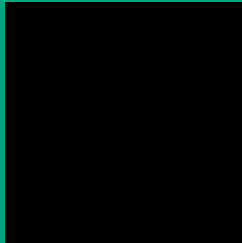
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.6170, 0.2452, 0.4028

Background



This preview shows how black text looks on a background with the Yxy color 29.6170, 0.2452, 0.4028.

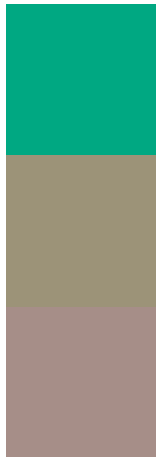


This preview shows how white text looks on a background with the Yxy color 29.6170, 0.2452, 0.4028.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

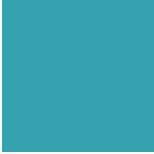
29.6170, 0.2452, 0.4028

Protanopia

29.2914, 0.3494, 0.3717

Deuteranopia

29.2306, 0.3453, 0.3382



Tritanopia

29.6659, 0.2279, 0.3063

Trichromacy



Original Color

29.6170, 0.2452, 0.4028



Protanomaly

27.5506, 0.2873, 0.3861



Deuteranomaly

26.9186, 0.2847, 0.3596



Tritanomaly

29.3775, 0.2319, 0.3379

Monochromacy



Original Color

29.6170, 0.2452, 0.4028



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

19.4847, 0.2649, 0.3586

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6170, 0.2452, 0.4028 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 168, 130)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 130)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 168, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 130) }
```

Border

The CSS property to change the border of an element to Yxy 29.6170, 0.2452, 0.4028 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 168, 130) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(0, 168, 130) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 168, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 130);  
box-shadow:4px 4px 4px 4px rgb(0, 168,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6170, 0.2452, 0.4028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 130) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 168,  
130) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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